

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

THIS MATERIAL SAFETY DATA SHEET IS AVAILABLE IN SPANISH UPON REQUEST.

LOS DATOS DE SEGURIDAD DEL PRODUCTO PUEDEN OBTENERSE EN ESPANOL SI LO REQUIERE.

PRODUCT NAME : Patch Stick
 UPC NUMBER : 7079812310, 7079812316, 7079812318, 7079812320,
 7079812322, 7079812324

PRODUCT USE/CLASS : Spackling

MANUFACTURER: DAP INC. 2400 BOSTON STREET BALTIMORE, MD 21224	24 HOUR EMERGENCY: TRANSPORTATION: 1-800-535-5053 MEDICAL : 1-800-327-3874
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PREPARE DATE: 10/30/1997 REVISION NO.: 4 REVISION DATE: 07/08/2003	GENERAL INFORMATION: DAP INC.: 1-888-DAP-TIPS 1-888-327-8477
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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % RANGE
01	Ethylene Glycol	107-21-1	1.0-5.0 %
02	Amorphous silica	7631-86-9	0.1-1.0 %
03	Vinyl Acetate	108-05-4	0.01-0.3 %

EXPOSURE LIMITS						
	ACGIH		OSHA		COMPANY	
ITEM	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	N.E.	100 mg/m3 *	N.E.	50 ppm	N.E.	NO
02	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
03	10 ppm	15 ppm	N.E.	N.E.	N.E.	N.E.

(See Section 16 for abbreviation legend)

* - TLV-Ceiling Value

Remaining ingredients are not considered hazardous per the OSHA Hazard Communication Standard CFR 29 1910.1200

Listed Permissible Exposure Levels (PEL) are from the U.S. Dept. of Labor OSHA Final Rule Limits (CFR 29 1910.1000); limits may vary between states.

(Continued on Page 2)

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CAUTION! Removal of this product after use will result in the generation of dust. If dry-sanded, exposure to dust may result in build-up of material in eyes, ears, nose, and mouth which may cause irritation.

POTENTIAL HEALTH EFFECTS:

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May dry skin.

EFFECTS OF OVEREXPOSURE - INHALATION: Vapor may irritate nose and upper respiratory tract.

EFFECTS OF OVEREXPOSURE - INGESTION: Harmful if swallowed. Ingestion of ethylene glycol can cause gastrointestinal irritation, nausea, vomiting, diarrhea and if ingested in sufficient quantities, death.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Inhalation of dust may result in pulmonary and respiratory damages. Prolonged or repeated inhalation of dust may cause lung damage. Repeated or prolonged exposure may cause skin, kidney, cardiovascular and liver damage. Ethylene glycol has been shown to cause birth defects in laboratory animals. Prolonged and repeated skin contact may cause dermatitis.

This product may contain small amounts of vinyl acetate. Vinyl acetate is identified by IARC as a potential carcinogen. Lifetime exposure to high vapor concentrations (600 ppm) of vinyl acetate caused malignant and benign tumors of the respiratory tract of rats, but not mice.; this response possibly being associated with the irritant effect. Vinyl acetate has been tested for carcinogenic potential in rats in two separate drinking water studies. In one study in which animals were exposed to concentrations up to 0.5% in water, there was no evidence of carcinogenicity. Male rates receiving vinyl acetate at high concentrations in drinking water (0.5%) for two generations possibly demonstrated a decreased ability to produce offspring. In the second study, conducted at higher concentrations (up to 1% in water), evidence of cancer in the stomach and oral cavities was observed. There is no evidence that has caused cancer in humans. There should be minimal risk when used with ventilation adequate to keep the atmospheric concentration of vinyl acetate below the recommended exposure limit.

Carcinogen Information Summary:

Chemical	ACGIH	OSHA	IARC	NTP
Vinyl Acetate	Confirmed animal carcinogen with unknown relevance to humans	----	Possible carcinogen	----

(Continued on Page 3)

SECTION 3 - HAZARDS IDENTIFICATION

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: Asthma and asthma-like conditions may worsen from prolonged and repeated exposure.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Immediately flood with large quantities of water for at least 15 minutes until irritation subsides. Get medical attention immediately.

SKIN CONTACT: Wash thoroughly with soap and water.

INHALATION: Remove to fresh air. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued breathing difficulty is experienced, get medical attention immediately.

INGESTION: DO NOT INDUCE VOMITING. Get medical attention immediately.

COMMENTS: Call 1-800-327-3874 if any irritation or complications arise from any of the above routes of entry.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: >200 F
(SETAFLASH CLOSED CUP)

LOWER EXPLOSIVE LIMIT: N.A.
UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: N.E.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Use absorbent material or scrape up dried material and place into containers.

(Continued on Page 4)

SECTION 7 - HANDLING AND STORAGE

HANDLING INFORMATION: KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. Do not inhale dusts of this product. Wet sanding is recommended to avoid generation of dust. Avoid contact with skin. Avoid contact with eyes. Do not get on clothing. Use only with adequate ventilation. Avoid breathing vapors. Ensure fresh air entry during application and drying by opening windows and doors. Keep container closed when not in use. Wash thoroughly after handling.

Keep containers away from excessive heating and freezing. Avoid skin and eye contact

STORAGE INFORMATION: Store away from caustics and oxidizers. Keep containers tightly closed when not in use. Keep containers from excessive heat and freezing. Do not store at temperatures above 120 degrees F.

OTHER PRECAUTIONS: None.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels. Local ventilation of emission sources may be necessary to maintain ambient vapor concentrations below recommended exposure limits. Wet sanding is recommended to avoid generation of dust. If dry-sanding, provide sufficient mechanical ventilation to maintain exposure below PEL and TLV.

RESPIRATORY PROTECTION: A NIOSH-approved air purifying respirator with an organic vapor cartridge or canister may be necessary under certain circumstances where airborne vapor or dust concentrations are expected to exceed exposure limits. Consult your safety equipment supplier and the OSHA regulation, 29 CFR 1910.134 for respirator requirements. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Use an approved NIOSH/OSHA respirator if dry sanded.

EYE PROTECTION: Safety glasses with side shields recommended.

SKIN PROTECTION: Gloves recommended for repeated or prolonged contact with skin.

OTHER PROTECTIVE EQUIPMENT: None.

HYGIENIC PRACTICES: Wash contaminated clothing before reuse. Wash hands before breaks and at the end of workday.

(Continued on Page 5)

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : N.E. VAPOR DENSITY : Is heavier than air
ODOR : Slight ammonia
APPEARANCE : White Paste EVAPORATION RATE: N.E.
SOLUBILITY IN H2O : Soluble
SPECIFIC GRAVITY : 0.474
VAPOR PRESSURE : N.E.
PHYSICAL STATE : Paste

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat and freezing.

INCOMPATIBILITY: Strong oxidizers and caustics.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal decomposition products, i.e. COx,
NOx

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

Toxicological Information Summary:

Chemical	LD50	LC50
Ethylene glycol	Rat: 4700 mg/Kg	Rat: 10,876 mg/Kg
Vinyl Acetate		Rat: 11,400 mg/m3

(See Section 16 for abbreviation legend)

SECTION 12 - ECOLOGICAL INFORMATION

No Information.

(Continued on Page 6)

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT/DISPOSAL: This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulations, 40 CFR Section 261. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

EPA WASTE CODE - If discarded (40 CFR 261): None.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by D.O.T.

DOT HAZARD CLASS: NONE

DOT UN/NA NUMBER: NONE PACKING GROUP: NONE

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % RANGE
Ethylene glycol	107-21-1	1.0-5.0
Vinyl Acetate Monomer	108-05-4	0.01-0.3

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
No information is available.	

(Continued on Page 7)

SECTION 15 - REGULATORY INFORMATION

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
Water	7732-18-5
Vinyl Acetate Copolymer	25067-01-0
Glass Beads	65997-17-3

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
Water	7732-18-5
Vinyl Acetate Copolymer	25067-01-0
Glass Beads	65997-17-3

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer:

CHEMICAL NAME	CAS NUMBER
Crystalline Silica	14808-60-7

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: Not Regulated.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 01/05/2000

VOC less water, less exempt solvent: 5-10 g/L(1.0-2.0 weight%)
VOC material : 5-10 g/L

(Continued on Page 8)

SECTION 16 - OTHER INFORMATION

LEGEND: ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
N.A. - NOT APPLICABLE
N.E. - NOT ESTABLISHED
PEL - PERMISSIBLE EXPOSURE LIMIT
NTP - NATIONAL TOXICOLOGY PROGRAM
SARA - SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986
STEL - SHORT TERM EXPOSURE LIMIT
TLV - THRESHOLD LIMIT VALUE(8 HR. TIME WEIGHTED AVERAGE OR TWA)
VOC - VOLATILE ORGANIC COMPOUND
NJRTK - NEW JERSEY RIGHT TO KNOW LAW
N.D. - NOT DETERMINED

MSDS# 77150

This data is offered in good faith as typical values and not as a product specification. No warranty either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review the recommendations in specific context of the intended use and determine if they are appropriate.

< End OF MSDS >